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L27 and (key near access or access near key)	4

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Search History

DATE: **Friday, September 24, 2004**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L28	L27 and (key near access or access near key)	4	L28
L27	(build$ or creat$) near (database or data with base) near table	229	L27
L26	(build$ or creat$) near (database or data with base) near key with access	2	L26
L25	L24 and (build$ or creat$)	212	L25
L24	L22 and access near key	228	L24
L23	L22 and (build$ or construct$) near access near key	0	L23
L22	(database or data with base) near table	11039	L22
L21	L20 and values	42	L21
L20	L19 and data near element	46	L20
L19	L17 and (database or data with base)	372	L19
L18	L17 and (database or data with base) near table	40	L18
L17	L16 and (definition or define)	1531	L17
L16	configur$ near key	3623	L16

L15	configur$ near key near definition	0	L15
L14	L13 and transaction near data	59	L14
L13	L12 and (database or data with base)	538	L13
L12	key near definition	967	L12
L11	707.clas.	22527	L11
L10	707/103r	1518	L10
L9	705.clas.	29136	L9
L8	705/39	1646	L8
L7	L4 and (multilevel or multi-level or multitier or multi-tier)	5	L7
L6	L4 and (multilevel or multi-level or multitier or multi-tier) near (organization or company)	0	L6
L5	L4 and (multilevel or multi-level) near (organization or company)	0	L5
L4	financial near2 services near (organization or company)	241	L4
L3	(multilevel or multi-level) near2 business near (organization or company)	8	L3
L2	L1 and dislay$	1	L2
L1	process$ near relationship near objects	32	L1

END OF SEARCH HISTORY

L21: Entry 36 of 42   File: USPT   Dec 21, 1999

US-PAT-NO: 6006222
DOCUMENT-IDENTIFIER: US 6006222 A

TITLE: Method for organizing information

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Culliss; Gary	Overland Park	KS	66214	

APPL-NO: 08/ 904795   [PALM]
DATE FILED: August 1, 1997

PARENT-CASE:
RELATED APPLICATION This patent application is a continuation-in-part of co-pending
patent application, Ser. No. 08/840,922, filed Apr. 25, 1997, also entitled "Method
for Organizing Information."

INT-CL: [06] <u>G06</u> <u>F</u> <u>17</u>/<u>30</u>

US-CL-ISSUED: 707/5; 707/10
US-CL-CURRENT: <u>707</u>/<u>5</u>; <u>707</u>/<u>10</u>

FIELD-OF-SEARCH: 707/5, 707/3, 707/10, 707/2, 707/1

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

▓ Search Selected ▓   ▓ Search ALL ▓   ▓ Clear ▓

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5321833	June 1994	Chang et al.	707/5
☐	5535382	July 1996	Ogawa	707/5
☐	5754939	May 1998	Herz et al.	455/4.2

OTHER PUBLICATIONS

Savoy, "A New Probabilistic Scheme for Information Retrieval in Hypertext", New
Review of Hypermedia and Multimedia, Applications and Research, vol. 1, pp. 107-34,
1995.
Fuhr et. al. Probabilistic Learning Approaches for indexing and retrieval with the
TREC-2 Collection, TREC Text REtrieval Conference, pp. 67-74, 1993.

ART-UNIT: 277

PRIMARY-EXAMINER: Choules; Jack M.

ATTY-AGENT-FIRM: Culliss; Gary

ABSTRACT:

A method of organizing information in which the search activity of a user is
monitored and such activity is used to organize articles in a subsequent search by
the same or another user who enters a similar search query. The invention operates
by assigning scores to articles under the key terms in the index. As users enter
search queries and select articles, the scores are altered. The scores are then
used in subsequent searches to organize the articles that match a search query. As
millions of people use the Internet, type in millions of search queries, and
display or select from the many articles available over the Internet, the ranks the
information available over the Internet through an evolutionary process. The
invention includes additional embodiments which incorporate category key terms and
rating key terms.

46 Claims, 1 Drawing figures

L25: Entry 194 of 212   File: USPT   Apr 8, 1997

US-PAT-NO: 5619713
DOCUMENT-IDENTIFIER: US 5619713 A

TITLE: Apparatus for realigning database fields through the use of a crosspoint switch

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baum; Richard I.	Poughkeepsie	NY		
Brent; Glen A.	Fishkill	NY		
Gibson; Donald H.	Salt Point	NY		
Lindquist; David B.	Poughkeepsie	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
International Business Machines Corporation	Armonk	NY			02

APPL-NO: 08/ 390143   [PALM]
DATE FILED: February 17, 1995

PARENT-CASE:
This is a Continuation of application Ser. No. 07/993,270 filed Feb. 11, 1993, now abandoned, which was a Divisional of application Ser. No. 07/499,844 filed Mar. 27, 1990, now U.S. Pat. No. 5,210,870.

INT-CL: [06] G06 F 7/24

US-CL-ISSUED: 395/800; 395/612, 364/239.3, 364/282.1, 364/DIG.1
US-CL-CURRENT: 707/102; 707/201

FIELD-OF-SEARCH: 395/800, 395/600, 364/239.3, 364/282.1, 364/DIG.1

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

▮ Search Selected ▮ ▮ Search ALL ▮ ▮ Clear ▮

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	3394731	July 1968	Flusche et al.	364/200
☐	3713107	January 1973	Barsamian	340/172.5

☐	3976980	August 1976	Hertz	395/600
☐	4476524	October 1984	Brown et al.	364/200
☐	4497039	January 1985	Kitakami et al.	364/900
☐	4506326	March 1985	Shaw et al.	364/300
☐	4644471	February 1987	Kojima et al.	364/300
☐	4734877	March 1988	Sakata et al.	364/730
☐	4751635	June 1988	Kret	395/600
☐	4779182	November 1988	Torii et al.	364/200
☐	4799152	January 1989	Chuang et al.	364/200
☐	5187787	February 1993	Skeen et al.	395/600

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0066061	December 1982	EP	
0070119	January 1983	EP	
0178369	March 1989	JP	
2235798	March 1991	GB	
8912277	December 1989	WO	

OTHER PUBLICATIONS

Nikkei Electronics, Feb. 9, 1987, No. 414, by Torii et al, entitled "CPU Integrated Data Base Processor . . . Data Bases".
IBM Technical Disclosure Bulletin, vol. 31, No. 1, Jun. 1988, pp. 199-202, entitled "Improved Hash and Index Searching Tech . . . Memory" by Bozman et al.
IBM TEchnical Disclosure Bulletin, vol. 31, No. 1, Jun. 1988, pp. 219-225, entitled "Relational Assignments For Distributed Database Systems" by D. Cornell et al.
IBM TEchnical Disclosure Bulletin, vol. 30, No. 5, Nov. 1987, entitled "Parallel Equi-Join Algoritm . . . Operations" by G. Pfister.
Computerworld Article, Jul. 27, 1987, "Britton Lee UnCorke Data Base Series".
IEEE Computer Society Press, Jul. 1986, pp. 1233-1244, "A Relational Database Machine Organization For Parallel Pipelined Query Execution" by Hirakawa et al.
1986 ACM 0-89791-191-1, pp. 239-250, "Query Processing in Main Memory Database Management Systems", by T. Lehman, et al.
1983 ACM 0362-5915, pp. 15-40, "Operational Characteristics of a Hardware Based Pattern Matcher" by R. Haskin et al.
1982 ACM 0-89791-066-4, pp. 39-47, "The 801 Minicomputer", by G. Radin.
IBM TEchnical Disclosure Bulletin, vol. 20, No. 7, Dec. 1977, entitled "Offset Value Coding" by W. M. Conner.
The Systems Programming Series--"Sorting and Sort Systems", by H. Lorin, Copyright 1975, Lib. Cong. Cat. 73-2140, pp. 59-86.
IBM Technical Disclosure Bulletin, vol. 15, No. 1, Jun. 1972, pp. 297-304, entitled "Arrangment to Speed Up Sort Merge by Using Multiple Compares and Exchanges", by F. Tsui et al.
Patent Abstracts of Japan, vol. 13, No. 448, p. 942, Oct. 9, 1989. Pub. No. JP1173229.
Patent Abstracts of Japan, vol. 14, No. 179, p. 1034, Apr. 10, 1990. Pub No. JP2028878.
Becker et al., "Computer Assisted Prior Art Searching," Journal of the Patent

ART-UNIT: 232

PRIMARY-EXAMINER: An; Meng-Ai T.

ASSISTANT-EXAMINER: Harrity; John

ATTY-AGENT-FIRM: Augspurger; Lynn L.

ABSTRACT:

A processor functioning as a coprocessor attached to a central processing complex provides efficient execution of the functions required for database processing: sorting, merging, joining, searching and manipulating fields in a host memory system. The specialized functional units: a memory interface and field extractor/assembler, a Predicate Evaluator, a combined sort/merge/join unit, a hasher, and a microcoded control processor, are all centered around a partitioned Working Store. Each functional unit is pipelined and optimized according to the function it performs, and executes its portion of the query efficiently. All functional units execute simultaneously under the control processor to achieve the desired results. Many different database functions can be performed by chaining simple operations together. The processor can effectively replace the CPU bound portions of complex database operations with functions that run at the maximum memory access rate improving performance on complex queries.

3 Claims, 31 Drawing figures

L25: Entry 195 of 212   File: USPT   Jan 14, 1997

US-PAT-NO: 5594899
DOCUMENT-IDENTIFIER: US 5594899 A
** See image for **Certificate of Correction** **

TITLE: Operating system and data base having an access structure formed by a plurality of tables

DATE-ISSUED: January 14, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Knudsen; Helge	Oakville			CA
Chong; Daniel T.	Woodbridge			CA
Yaffe; John	Mississauga			CA
Taugher; James E.	Mississauga			CA
Robertson; Michael	Mississauga			CA
Plazak; Zbigniew	Etobicoke			CA

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Amdahl Corporation	Sunnyvale	CA			02

APPL-NO: 08/ 347588   [PALM]
DATE FILED: December 1, 1994

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This application is a continuation of Ser. No. 08/029,902, filed Mar. 11, 1993, now abandoned, which is a divisional of Ser. No. 07/968,237, filed Oct. 29, 1992, now abandoned, which is a continuation of Ser. No. 07/830,548, filed Jan. 31, 1992, now abandoned, which is a continuation of Ser. No. 07/450,298, filed Dec. 13, 1989, now abandoned, which is a continuation-in-part of Ser. No. 07/402,862, filed Sep. 1, 1989, now abandoned under the title "OPERATING SYSTEM AND DATA BASE USING TABLE ACCESS METHOD".

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 395/600; 364/DIG.2, 364/974, 364/974.4, 364/972.3, 364/958, 364/958.1

US-CL-CURRENT: 707/2

FIELD-OF-SEARCH: 395/600

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL | Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4893232	January 1990	Shimaoka et al.	364/200
☐	4918593	April 1990	Huber	364/200
☐	5133068	July 1992	Crus et al.	395/600

OTHER PUBLICATIONS

"Table Storage Architecturee for the OS/2 Extended Edition Database Manager", IBM Technical Disclosure Bulletin, vol. 32, No. 5A, Oct. 1989, pp. 30-32.
M. Papazoglou, "An Extensible DBMS for Small and Medium Systems", IEEE Micro, vol. 9, No. 2, Apr. 1989, pp. 52-68.
A. Brown et al., "Data Base Management for HP Precision Architecture Computers", Hewlett-Packard Journal, vol. 37, No. 12, Dec. 1986, pp. 33-48.
D. J. Haderle et al., "IBM Database 2 Overview", IBM Systems Journal, vol. 23, No. 2, 1984, pp. 112-125.

ART-UNIT: 236

PRIMARY-EXAMINER: Kriess; Kevin A.

ASSISTANT-EXAMINER: Chaki; Kakali

ATTY-AGENT-FIRM: Fliesler, Dubb, Meyer & Lovejoy

ABSTRACT:

An object access system for retrieving objects in response to requests identifying requested objects, the system comprising an access structure consisting of a plurality of tables where each table is identified by a unique table identifier and has a plurality of rows where each row has a plurality of fields and is identified by a unique primary key in one of the fields and where a field may also contain objects; a row index for each table, each row index having entries ordered on the primary key of the rows in the table where each entry points to a row of fields in the table; a table index ordered on the table identifier for the tables, the table index having an entry for each table which point to the row index for that table and access means, responsive to requests for an object having an associated table identifier and primary key, for searching the table index for the requested table identifier and for retrieving from the table index entry for the requested table identifier the pointer to the row index for the requested table identifier, searching the pointed to row index for the requested primary key and retrieving from the row index entry for the requested primary key the pointer to the row of fields and searching the pointed to row of field for the requested object and retrieving the requested object.

2 Claims, 40 Drawing figures

L25: Entry 201 of 212   File: USPT   Aug 8, 1995

US-PAT-NO: 5440732
DOCUMENT-IDENTIFIER: US 5440732 A

TITLE: Key-range locking with index trees

DATE-ISSUED: August 8, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lomet; David B.	Westford	MA		
Green; Russell J.	Edinburgh			GB6

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Digital Equipment Corp., Pat. Law Gr.	Maynard	MA			02

APPL-NO: 08/ 014181   [PALM]
DATE FILED: February 5, 1993

INT-CL: [06] G06 F 15/40

US-CL-ISSUED: 395/600; 364/246.8, 364/246.3, 364/246.4, 364/282.1, 364/282.3,
364/283.2, 364/DIG.1
US-CL-CURRENT: 707/1; 707/8

FIELD-OF-SEARCH: 364/DIG.1, 364/DIG.2, 395/600, 395/400, 395/425

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

▓ Search Selected ▓ ▓ Search ALL ▓ ▓ Clear ▓

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4468728	August 1984	Wang	364/DIG.1
☐	4677550	June 1987	Ferguson	364/300
☐	4774657	September 1988	Anderson et al.	364/DIG.1
☐	4914596	April 1990	Levine et al.	364/200
☐	5010478	April 1991	Deran	364/DIG.1
☐	5058002	October 1991	Nakamura et al.	364/200
☐	5089952	February 1992	Bozman	395/725

☐	5119490	June 1992	Kurose	395/600
☐	5123104	June 1992	Levine et al.	395/600
☐	5237678	August 1993	Kuechler et al.	395/600

OTHER PUBLICATIONS

Litwin, Witold, and Lomet, David B., "The Bounded Disorder Access Method," IEEE Computer Society Press, 1986, pp. 38-48.
Lomet, David B., "A Simple Bounded Disorder File Organization with Good Performance," ACM Transactions on Database Systems, vol. 13, No. 4, Dec. 1988, pp. 525-551.
Mohan, C., "ARIES/KVL: A Key-Value Locking Method for Concurrency Control of Multiaction Transactions Operating on B-Tree Indexes," Proc. Very Large Databases Conference, Brisbane, Australia, Aug. 1990.
Mohan, C. and Levine, F., "ARIES/IM: An Efficient and High Concurrency Index Management Method Using Write-Ahead Logging," IBM Research Report RJ 6846, Aug. 1989, Almaden Research Center, San Jose, Calif.
Gray, J. N., Lorie, R. A., Putzulo, G. R., and Traiger, I. L., "Granularity of Locks and Degrees of Consistency in a Shared Data Base," IFIP Working Conference on Modeling of Data Base Management Systems, 1976, 1-29.

ART-UNIT: 237

PRIMARY-EXAMINER: Black; Thomas G.

ASSISTANT-EXAMINER: Von Buhr; Maria N.

ATTY-AGENT-FIRM: Johnston; A. Sidney Born; Joseph H.

ABSTRACT:

A database-management system (10) generates bounded-disorder indexes on its database keys. In such an index, the leaf nodes (51, 62) are large and are divided into a number of buckets (52, 54, 56, 58), only one of which ordinarily is accessed in any given single-record database operation. The key values in a leaf node are distributed among the leaf node's buckets in accordance with a hashing function. The lockable ranges locked for scanning functions are defined in accordance with key-valued locking, in which each lockable range is bounded by successive key values that exist in the database. But the multiple-bucket accesses that would otherwise be required, because of the hash-function distribution of key values among a node's several buckets, are avoided because the lockable ranges are defined by the sequence of key values in the bucket rather than in the node. In addition to the existing key values, moreover, the buckets' key-value limits are also employed to bound lockable ranges, even if no database records contain those key-value limits. This prevents end-of-bucket insertions and deletions from needing further I/O operations in order to identify the lockable ranges that those insertions and deletions modify.

9 Claims, 9 Drawing figures